

Notice of Allowability

Application No.

10/615,224

Applicant(s)

HARUMOTO, YUKO

Examiner

Art Unit

Hargobind S. Sawhney

2875

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on January 31, 2005.
2. ☒ The allowed claim(s) is/are 1,3,5-7 and 9.
3. ☒ The drawings filed on 08 July 2003 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>4/5/2005</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

1. The amendment filed on January 31, 2005 has been entered. Accordingly:
 - Claims 1, 3, 5-7 and 9 have been amended;
 - Claims 2, 4, 8 and 10 have been cancelled; and
 - The abstract has been amended.
2. On April 5, 2005, the examiner contacted the attorney, Mr. Kelvin S. Lemack, to inform that the amended Claim 1 includes allowable subject matter. However, a few of the recitations of claims 1 and 9 include editorial errors, which need to be corrected. In response, Mr. Lemack authorized an Examiner's amendment requiring the editorial corrections as detailed in section 3 of this office action. A copy of the interview summary is attached herewith.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Kelvin S. Lemack on April 5, 2005.

Claim 1 (amended), line 2, replace "ore" with --or--; and

Claim 9 (amended), line 2, delete one set of "wherein each of said" as it is duplication.

Allowable Subject Matter

4. Claims 1, 3, 5-7 and 9 are allowed.

The prior art of record, including Luk (US Patent application Pub. No.: US 2002/0181231 A1) and Tait et al. (US Patent No.: 6,598,994 B1), does not show or suggest the applicant's invention as claimed. Specifically, the prior art of record does not disclose a light source system combining:

- a light mixer mounted at the vertex of a conical cover enclosing –covering- a plurality of blue, green and red light emitting diodes (LEDs) mounted on a spherical curved surface as recited in Claim 1.

The above-indicated combination, including: a light mixer mounted on at the vertex of a conical cover, and the conical cover mixer enclosing a plurality of multi-color light emitting diodes (LEDs) mounted on a spherical curved surface, makes this invention unique.

Tait et al. (US Patent No.: 6,598,994 B1) and Luk (US Patent application Pub. No.: US 2002/0181231 A1) each discloses a source system including an LED curved support being either a spherical curved support. However, neither combined nor individual teaching of Luk (US Patent application Pub. No.: US 2002/0181231 A1) and Tait et al. (US Patent No.: 6,598,994 B1) specifically teaches the combination of a light mixer mounted on at the vertex of a conical cover enclosing a plurality of multi-color light emitting diodes (LEDs) mounted on a spherical curved surface.

Therefore, Claim 1 is allowed over prior art.

Claims 2, 3, 5-7 and 9 are necessarily allowed because of their dependency on the allowed base Claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hargobind S Sawhney whose telephone number is 571 272 2380. The examiner can normally be reached on 6:15 - 2:45.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571 272 2378. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

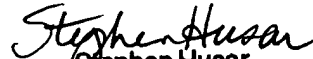
Application/Control Number: 10/615,224
Art Unit: 2875

Page 5

For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the
Electronic Business Center (EBC) at 866-217-9197 (toll-free).

HSS
4/5/2005


Stephen Husar
Primary Examiner